

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Anatoli N. Verentchikov  
Appln. No. : 10/520,871  
Confirmation No. : 6508  
For : TANDEM TIME OF FLIGHT MASS SPECTROMETER AND  
METHOD OF USE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97(b)

Pursuant to 37 CFR §§1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed more than three months after the filing date of the above-referenced application but, to the undersigned's knowledge, before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign patent documents and non-patent literature are attached. Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

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Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 16-2463.

Respectfully submitted,

August 2, 2006  
Date

/Terry S. Callaghan/  
Terry S. Callaghan, Registration No. 34 559  
Price, Heneveld, Cooper, DeWitt & Litton, LLP  
695 Kenmoor, S.E.  
Post Office Box 2567  
Grand Rapids, MI 49501  
(616) 949-9610

TSC/rsw

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		ATTY. DOCKET NO. LEC01 P-431	SERIAL NO. 10/520,871
		APPLICANT(S) ANATOLI N. VERENTCHIKOV	
		FILING DATE	GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	6 3 0 0 6 2 7	10/09/01	Köster et al.			
	6 1 1 1 2 5 0	08/29/00	Thomson et al.			
	6 0 2 0 5 8 6	02/01/00	Dresch et al.			
	5 8 5 4 4 8 5	12/29/98	Bergmann			
	5 8 4 7 3 8 6	12/08/98	Thomson et al.			
	5 4 6 4 9 8 5	11/07/95	Cornish et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
	0 1 1 5 2 0 1	03/01/01	PCT			
	0 0 7 7 8 2 3	12/21/00	PCT			
	0 0 7 0 3 3 5	11/23/00	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXR INITIAL	
	Bakker, J.M.B., "The Spiratron," <i>In Mass Spectrom</i> , London, 1971, pp. 278-282.
	Morris et al., "High Sensitivity Collisionally-activated Decomposition Tandem Mass Spectrometry on a Novel Quadrupole/Orthogonal-acceleration Time-of-flight Mass Spectrometer," <i>Rapid Communications in Mass Spectrometry</i> , Vol. 10, 1996, pp. 889-896.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	5 2 0 2 5 6 1	04/13/93	Giesmann et al.			
	5 0 3 2 7 2 2	07/16/91	Boesl et al.			
	4 9 6 3 7 3 6	10/16/90	Douglas et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
	9 9 4 0 6 1 0	08/12/99	PCT			
	9 9 3 9 3 6 8	08/05/99	PCT			
	9 9 0 1 8 8 9	01/14/99	PCT			
	9 2 1 4 2 5 9	08/20/92	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Qian et al., "Capillary Liquid Chromatography Coupled with an Ion Trap Storage/Reflectron Time-of-flight Mass Spectrometer for Structural Confirmation of Three Recombinant Protein Isoforms," <i>Rapid Communications in Mass Spectrometry</i> , Vol. 10, 1996, pp. 1079-1087.
	Makarov et al., "Pitfalls on the Road to the Ideal Time-of-flight Mirror: Ideal Time-focusing in the Second Stage of Tandem Mass Spectrometers," <i>Int. J. of Mass Spectrom. And Ion Processes</i> , Vol. 146/147, 1995, pp. 165-182.

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						Y	N

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Verentchikov et al., "Collisional Cooling and Ion Formation Processes in Orthogonal MALDI at Intermediate Gas Pressure," ASMS Conference 1999.

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